

IPLEX GREENLINE FLOW CHART @ 12.8°C

POISEUILLE FORMULA (R<2000)

$$Q = \frac{5037}{d^4} i$$

$$V = 0.25276 \frac{d^2 i}{Q}$$

$$i = \frac{5037 Q}{d^4}$$

LAMONT FORMULA S3 (3000<R<3000000)

$$Q = \frac{2304}{d^{2.6935} i^{0.5645}}$$

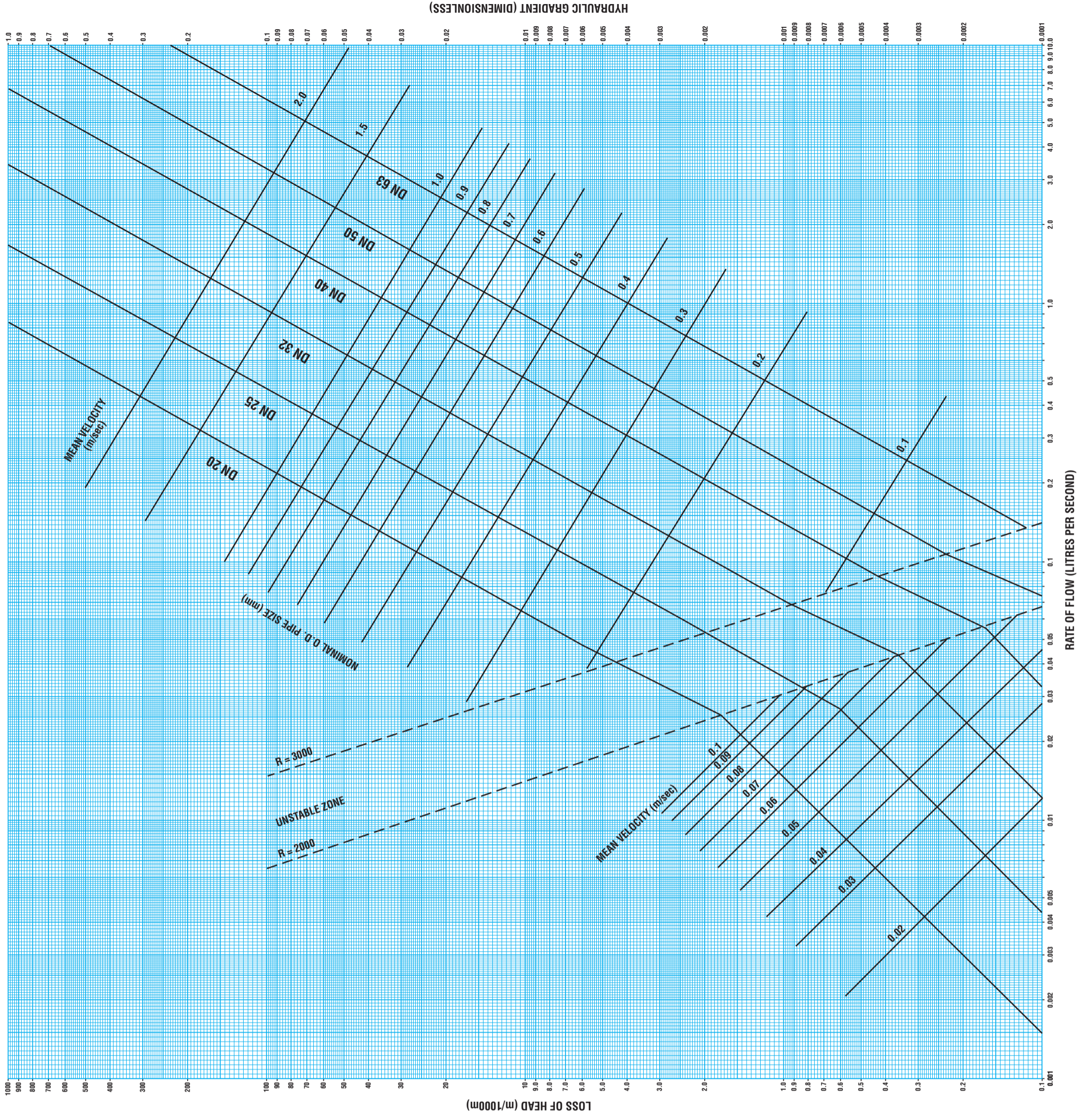
$$V = 0.55254 \frac{d^{0.6935} i^{0.5645}}{Q}$$

$$i = \frac{905032 Q^{1.772}}{d^{4.772}}$$

Explanation of Units

- R = Reynolds No.
- Q = Flow Rate (Litres per second)
- i = Hydraulic Gradient
- V = Flow Velocity (metres per second)
- d = Mean Pipe Internal Diameter (mm)

NOTE: This chart should be used as a guide only. All designs should be checked from first principles, based upon the above equations.



Iplex Pipelines NZ Limited
Rural Product Range



GREENLINE

REDLINE™

BLUELINE

BLACKLINE

RURAL BLACK

PLASSON®

ALKATHENE™

NOVATUBE

NEXUS™

NOVAFLO™

EFFLUENT PIPE

FARMTUFF™

NEXUS™ CULVERT

GREENLINE FLOW CHART

Version 2

This version supersedes all previous versions or editions of this flow chart.

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